ABSTRACT OF THE DISCLOSURE

An organic light emitting diode (OLED) display includes an array of OLEDs, each OLED having two terminals; a voltage sensing circuit for each OLED including a transistor in each circuit connected to one of the terminals of a corresponding OLED for sensing the voltage across the OLED to produce feedback signals representing the voltage across the OLEDs; and a controller responsive to the feedback signals for calculating a correction signal for each OLED and applying the correction signal to data used to drive each OLED to compensate for the changes in the output of each OLED.